# METHODS , CIRCUITS AND COMPOSITIONS OF MATTER FOR IN VIVO DETECTION OF BIOMOLECULE CONCENTRATIONS USING FLORESCENT TAGS


## Abstract

Methods are disclosed wherein labeled antibodies can be provided *in vivo* to tissue having antigens that specifically bind the labeled antibody. A first optical radiation is emitted into the tissue *in vivo* to excite the labeled antibody bound to the antigen *in vivo*. A second optical radiation that is emitted by the excited labeled antibody, in response to the excitation thereof, can be detected *in vivo*. Related telemetric circuits and compositions of matter are also disclosed.